

Title (en)

REACTOR FOR THE THERMO-CATALYTIC CONVERSION OF PLASTIC MATERIALS

Title (de)

REAKTOR FÜR DIE THERMOKATALYTISCHE UMWANDLUNG VON KUNSTSTOFFMATERIALIEN

Title (fr)

RÉACTEUR POUR CONVERSION THERMO-CATALYTIQUE DE MATÉRIAUX PLASTIQUES

Publication

**EP 2373408 B1 20140917 (EN)**

Application

**EP 08876134 A 20081219**

Priority

IT 2008000776 W 20081219

Abstract (en)

[origin: WO2010070689A1] A reactor (1) is described for the thermo-catalytic conversion of plastic materials into liquid hydrocarbons (37) through de-polymerisation, comprising at least one reaction furnace (3) equipped with at least one reaction chamber (5, in which at least the surfaces of the reactor (1) itself in contact with the plastic materials reacting inside the reaction furnace (3) are covered with at least one layer (39, 41, 45, 47) of slow-release catalyst material.

IPC 8 full level

**B01J 19/00** (2006.01); **C10B 53/07** (2006.01); **C10G 1/10** (2006.01)

CPC (source: EP)

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